GrowerFacts

PanAmerican Seed®

Leucanthemum White Lion F_1

(Leucanthemum x superbum)

Perennials Culture (revised 10/14/25)

Cover Spring and Summer sales with the best seed shastas!
Count on **White Lion** for early-Spring sales from overwintered production (previously only possible with vegetative varieties) and for Spring sales from annual production. **Madonna** offers late Spring and Summer sales in long-day conditions. Both are more uniform in height and habit than their seed counterparts, and they provide an excellent alternative to vegetative Leucanthemum, with no vernalisation needed and no risk for bacterial infection.

Plug crop time: 5 to 6 weeks
Transplant to finish: annual, 9 to 12 weeks; overwintered, 18 to 26 weeks (18 in southern regions)

- The Spring Shasta! This unique compact seed Leucanthemum can be grown in short days (10-hour daylength requirement), so it's perfect for early Spring sales!
- An alternative to vegetative varieties, it doesn't require vernalisation and has no risk of bacterial infection.
- Ideal for an annual production schedule, as no supplemental lighting needed; it flowers under natural days.
- Perfect for overwintered production in natural short days, finished under natural short days, when it will bulk more uniformly. No supplemental light or Night Interruption is needed.
- No other seed variety offers this early programming solution!

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Early Spring, Spring, Late Spring, Summer, Late Summer	8-10 in. (20-25 cm)	8-12 in. (20-30 cm)	12 in. (30 cm)

Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days from 50% to maximum germination	Initial Media pH/EC (1:2)	Cover Seed
RAW	288 72	1 4	6-7 7-8	4-10	5.5-6.2 pH 0.2-0.5 mmhos/cm	Optional

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3-4	Level 2-3	Level 2-3
Temperature	68-77°F (20-25°C)	65-68°F (18-20°C)	65-68°F (18-20°C)	60-65°F (16-18°C)
Light	Optional	3,000-5,000 f.c. (32,300-53,800 Lux)	5,000-7,000 f.c. (53,800-75,300 Lux)	5,000-7,000 f.c. (53,800-75,300 Lux)
Fertiliser		Less than 100 ppm N (Less than 0.7 EC)	100 to 175 ppm N (0.7 to 1.2 EC)	100 to 175 ppm N (0.7 to 1.2 EC)

Vernalisation

No

Juvenility

About 10 true leaves.

Fertiliser Notation

Use well-balanced Calcium Nitrate-based fertiliser. Do not give continuous feed to prevent high salt levels. Best to leach with fresh water periodically.

Propagation Key Tips

Avoid high soluble salts. Provide an active climate, including air movement and relatively high light levels. Do not grow too long, as old plugs show irregular growing after transplant.

Growing on to Finish

Growing on Temperature	Target Media pH/EC (1:2)	Fertiliser	Daylength
(day) 65-72°F (18-22°C) **(night)** 57-60°F (14-16°C)	5.5-6.2 pH 0.9-1.1 mmhos/cm	100 to 175 ppm N (0.7 to 1.2 EC)	Facultative Long Day

Daylength Notation

Facultative Long Day Plant but very low sensitivity to daylength, with critical daylength at 10 hours.
To finish in early Spring, plant development does require sufficient temperature (ADT 44-50°F), meaning a southern Winter climate, to grow and finish in that early Spring.

Crop Scheduling

Crop Type	Container Size	Plugs/Pot	Crop Time	Season	PGR
Overwinter	4"/4.5"/Quart/10 cm	1 (ppp)	18-19 (weeks)	Early Spring, ADT 65°F (18°C)	-
Annual	4"/4.5"/Quart/10 cm	1 (ppp)	9-10 (weeks)	Spring, ADT 68°F (20°C)	daminozide 2,500 ppm Spray
Overwinter	5"/6"/1 Gallon/15 cm	1-3 (ppp)	18-19 (weeks)	Early Spring, ADT 65°F (18°C)	-
Annual	5"/6"/1 Gallon/15 cm	1-3 (ppp)	10-11 (weeks)	Spring, ADT 68°F (20°C)	daminozide 2,500 ppm Spray

Fertiliser Notation

Use a well-balanced Calcium Nitrate-based fertiliser. Fertiliser rate at 140 to 160 ppm. Do not use continuous feed to avoid high soluble salt levels. Best to leach with fresh water periodically.

Chemical Sensitivity

Do not use abamectin or allow it to be in contact (even gas from a neighboring compartment). This will kill the crop.

Common Problems

Irregular growth can result from old plugs or high salt levels.

Bulking Strategy

Grow under the recommended temperature. Produce for early Spring sales when natural daylength is short. To finish in early Spring, plant development does require sufficient temperature (ADT 44-50°F), meaning a southern Winter climate, to grow and finish in that early Spring. For annual production, Configure at a 300 ppm spray at a young stage can be used to promote branching.

Finishing Key Tips

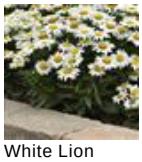
For 2 Gallon, use 3-4 plugs per pot. To finish in early Spring, plant development does require sufficient temperature (ADT 44-50°F), meaning a southern Winter climate, to grow and finish in that early Spring.

NOTE: Growers should use the information presented here as guidelines only. PanAmerican Seed recommends that growers conduct a trial of products under their own conditions. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. It is the responsibility of the grower to confirm the treatment is available in their region as well as read and follow all the current label directions relating to the products. Nothing herein shall be deemed a warranty or guaranty by PanAmerican Seed of any products listed herein. PanAmerican Seed's terms and conditions of sale shall apply to all products listed herein.

Variety Pictures

White Lion

White Lion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PanAmerican Seed Co.
622 Town Road,West Chicago, Illinois, USA, 60185
+1 800-231-7065 PanAmSeed.com

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